

**AN ADAPTIVE MANAGEMENT METHOD AND SYSTEM WITH AUTOMATIC
DEPENDENCY RESOLUTION**

Abstract

A resource management method (300) and a corresponding
5 system are proposed. In the solution of the invention, an
authority publishes (324) multiple rules, each one defining a
desired target configuration for a category of subjects (without
any information about their dependencies). Each subject retrieves
(320-322,326) the rules corresponding to its category in a random
10 order. The rules are then applied (427-439) on the subject
according to a trial-and-fail approach. Particularly, the
application of any failed rule is continually repeated (427-448),
until all the rules are successfully applied (463) or a deadlock
condition is detected (451). In this way, any dependency is
15 automatically resolved on the subject at run time. Moreover, as
soon as all the rules have been successfully applied the
compliance of the subject to the rules is verified (455-457)
again; should the subject be not compliant to one or more rules
any longer, an infinite loop condition is detected (466).